**Revolutionizing Liver Care**

**Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques**

Sprint Planning & Story Breakdown:

An Epic is a major functionality - here, it's Predicting Liver Cirrhosis using ML.

Stories are smaller, manageable tasks. Story Points indicate effort (Fibonacci scale).

Sprint 1: (5 Days)

**Epic: Data Collection & Preprocessing**

• Collecting Patient Liver Health Dataset (Story Points: 2)

• Cleaning and Loading Data (Story Points: 1)

• Handling Missing Values (Story Points: 3)

• Encoding Categorical Features (Story Points: 2)

Sprint 2: (5 Days)

**Epic: Model Building & Deployment**

• Model Selection and Training (Random Forest, XGBoost) (Story Points: 5)

• Performance Evaluation (Accuracy, ROC, Confusion Matrix)(Story Points: 3)

• Creating Frontend Pages (HTML Interface) (Story Points: 3)

• Deploying Model using Flask (Story Points: 5)

Total Story Points:

Sprint 1 = 2 + 1 + 3 + 2 = 8

Sprint 2 = 5 + 3 + 3 + 5 = 16

Total = 24 Story Points

No. of Sprints = 2

**Team Velocity = 24 / 2 = 12 Story Points per Sprint**